

What is claimed is;

1. An electrophoretic display comprising a first and second substrates each being disposed with a predetermined gap therebetween; a layer comprising an insulating solvent and charged particles dispersed in the insulating solvent, the layer being sandwiched between the substrates; a first electrode disposed on one of the substrates; and a second electrode disposed on the second substrate, wherein the second electrode has a reflector with uneven surface.
- 10 2. The electrophoretic display as defined in claim 1, wherein the first electrode is disposed on the first substrate, and the second electrode also works as the reflector.
3. The electrophoretic display as defined in claim 1, wherein the first electrode is disposed on the second substrate, and the second electrode also works as the reflector.
- 15 4. The electrophoretic display as defined in claim 2, wherein the first electrode is disposed above the uneven surface of the second electrode.
5. The electrophoretic display as defined in claim 2, wherein the first electrode is disposed in the flat portions of the uneven surface of the second electrode.
- 20 6. The electrophoretic display as defined in claim 4, wherein the uneven surface of the second electrode is patterned at random.
7. The electrophoretic display as defined in claim 4, wherein the uneven surface of the second electrode is patterned at random,

and the first electrode has the same uneven surface as that of the second electrode, both of the surfaces overlapping with each other at least part of them.

8. The electrophoretic display as defined in claim 1, wherein the uneven surface of the random pattern has a string structure of continuous bumps.
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9. The electrophoretic display as defined in claim 1, wherein separated electrode segments constitute the first electrode, the segments in the same pixel being on the same potential.
10. The electrophoretic display as defined in claim 1, wherein the charged particles have a low reflection ratio, its color being substantially black.
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11. The electrophoretic display as defined in claim 1, wherein the first electrode has a low reflection ratio, its color being substantially black.
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12. The electrophoretic display as defined in claim 1, wherein active elements are disposed on the second substrate to display picture images by active matrix drive.
13. An electrophoretic display comprising a first and second substrates arranged with a predetermined space; a layer sandwiched between the substrates and comprising an insulating solvent and charged particles dispersed in the solvent; a first electrode disposed on one of the substrates; and a second electrode disposed on the second substrate, wherein the first electrode has a network structure of a random pattern.
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14. The electrophoretic display as defined in claim 13, wherein the second electrode has uneven surface and also works as a reflector, and the bumps of the uneven surface are present in the windows of the network structure of the first electrode.
- 5 15. The electrophoretic display as defined in claim 13, wherein the particles have a low reflection ratio, and its color is substantially black.
16. The electrophoretic display as defined in claim 13, wherein the first electrode has a low reflection ratio and its color is substantially black.
- 10 17. The electrophoretic display as defined in claim 13, wherein separate electrode segments constitute the first electrode, the segments being on the same potential in one pixel.
18. The electrophoretic display as defined in claim 13, wherein the second substrate is provided with active elements to display imaged by active matrix drive.
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